

Appln No. 10/713,090
Amndt. Dated August 16, 2004
Response to Office action of June 3, 2004

2

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A printer having a pagewidth printhead assembly for a printer,
the printer having a page width, the assembly comprising:
 - a longitudinal core;
 - a pagewidth printhead mounted to the core;
 - the pagewidth printhead comprising two or more modular printheads;
 - the pagewidth printhead being stationary relative to the page width;
 - the core being contained within an outer laminated shell, the shell having an effective coefficient of thermal expansion substantially equal to that of the printhead.
2. (Currently Amended) A printhead assembly printer according to claim 1, wherein:
the core has formed in it one or more ink reservoirs.
3. (Currently Amended) A printhead assembly printer according to claim 1, wherein:
the laminate of the outer shell is formed from at least three metals laminated together, the laminate having inner and outer layers, wherein the inner layer is of the same metal as the outer layer which are of the same metal.
4. (Currently Amended) A printer according to claim 1, wherein:
the printhead is fabricated from silicon.
5. (Currently Amended) A printer printhead assembly according to claim 4, wherein:
the printhead is constructed using micro electromechanical techniques.
6. (Currently Amended) A printer printhead assembly according to claim 1, wherein:
the core is an extrusion defining separate ink reservoirs.
7. (Currently Amended) A printer printhead assembly according to claim 1, wherein:

Appln No. 10/713,090

Amdt. Dated August 16, 2004

Response to Office action of June 3, 2004

3

the outer shell is a laminated structure having an odd number of longitudinally extending layers of at least two different metals wherein layers are arranged in a symmetrical arrangement.

8. (Currently Amended) A ~~printer printhead assembly~~ according to claim 1, wherein: the modular printheads are positioned end to end along the core.
9. (Currently Amended) A ~~printer printhead assembly~~ according to claim 1, wherein: the laminated shell comprises two or more different materials, each having a different coefficient of thermal expansion.
10. (Currently Amended) A ~~printer printhead assembly~~ according to claim 6, wherein: the extrusion comprises adjacent reservoirs which collectively lead to one or more micro mouldings which are carried by the core.
11. (Currently Amended) A ~~printer printhead assembly~~ according to claim 9, wherein: the laminated shell comprises outer layers of invar.